(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/02/2024

(21) Application No.20241101 0685 A

(43) Publication Date : 23/02/2024

(54) Title of the invention : ACCURATE, RELIABLE, AND SELF-LEARNING DEVICE FOR DETECTING ONSET AND PROGRESSION OF PARKINSON'S DISEASE

(51) International classification	:G06F0003048830, A61B0005000000, G06N0020000000, G10L0017000000, G10L0015260000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(57) Abstract :
The present disclosure provides a device (100) for detecting the onset and monitoring the progression of Parkinson's disease. The device (100) comprises a voice input unit (104) to record voice samples of a user, and a writing input unit (106) to detect and record multimodal content written by the user. The device (100) further comprises a processing unit (102) configured to extract voice attributes of the user from the recorded voice samples and extract writing attributes of the user from the recorded multimodal content written by the user. The processing unit (102) analyzes, using a machine learning unit (112), the extracted voice attributes, and the writing attributes of the user with pre-stored voice attributes and pre-stored writing attributes associated with the user and known entities for a predefined duration to detect onset and monitor progression of the Parkinson's disease in the user, otherwise, detect the user to be healthy.

No. of Pages : 19 No. of Claims : 10